WHAT IS CLAIMED IS:

1. Mobile radio equipment comprising:

a radio transmitter/ receiver for transmitting/ receiving radio data;

a transmission unit for converting the received data received by the radio transmitter/ receiver;

an application unit for executing applications;

a decoder for decoding the data output from the transmission unit;

a memory for storing the decoded data output from the decoder;

an input/ output section for inputting/ outputting the decoded data output from the decoder;

a load data output section for outputting the decoded data output from the decoder as load data;

a load data input section for inputting the decoded data output from the decoder as load data;

a judge section for judging the load data on a preset threshold value; and

a transmission controller for controlling transmission rate based on a judgment made by the judge section.

2. Mobile radio equipment comprising:

a radio transmitter/ receiver for transmitting/ receiving radio data;

a transmission unit for converting the received data received by the radio transmitter/ receiver;

an application unit for executing applications;

a decoder for decoding the data output from the transmission unit;

a memory for storing the decoded data output from the decoder;

an input/ output section for inputting/ outputting the decoded data output from the decoder;

a load data output section for outputting the decoded data output from the decoder as load data;

a load data input section for inputting the decoded data output from the decoder as load data;

a judge section for judging the load data on a preset threshold value and for judging whether or not a frame loss has occurred in the decoded data; and

a transmission controller for controlling transmission rate based on a judgment made by the judge section.

3. The mobile radio equipment claimed in claim 1, wherein the judge section includes a comparator for comparing the load data with the threshold value in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process.

4. The mobile radio equipment claimed in claim 2, wherein the judge section includes a comparator for comparing the load data with the threshold value in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process.

5. The mobile radio equipment claimed in claim 1, wherein:

the judge section includes a comparator for comparing the load data with the threshold values in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process.

6. The mobile radio equipment claimed in claim 2, wherein:

the judge section includes a comparator for comparing the load

data with the threshold values in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process.

7. The mobile radio equipment claimed in claim 1, wherein:

the judge section includes a comparator for comparing the load data input from the decoder with the threshold values in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process;

the transmission controller requests a base station to reduce the data transmission rate when the load data exceeds the threshold value; and

the transmission controller requests the base station to increase the data transmission rate when the load data is below the threshold value.

8. The mobile radio equipment claimed in claim 2, wherein:

the judge section includes a comparator for comparing the load data input from the decoder with the threshold values in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process;

the transmission controller requests a base station to reduce the data transmission rate when the load data exceeds the threshold value; and

the transmission controller requests the base station to increase the data transmission rate when the load data is below the threshold value.

9. The mobile radio equipment claimed in claim 1, wherein:

the judge section is provided with two threshold values, one for

judging whether or not the load data is beyond the decoding capability of the decoder, and the other for judging whether or not the load data is beneath the decoding capability;

the judge section includes a comparator for comparing the load data input from the decoder with the threshold values in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process;

the transmission controller requests a base station to reduce the data transmission rate when the load data exceeds one of the threshold value; and

the transmission controller requests the base station to increase the data transmission rate when the load data is below the other threshold value.

10. The mobile radio equipment claimed in claim 2, wherein:

the judge section is provided with two threshold values, one for judging whether or not the load data is beyond the decoding capability of the decoder, and the other for judging whether or not the load data is beneath the decoding capability;

the judge section includes a comparator for comparing the load data input from the decoder with the threshold values in order to judge whether or not the amount of the data is within the capacity of the mobile radio equipment to process;

the transmission controller requests a base station to reduce the data transmission rate when the load data exceeds one of the threshold value; and

the transmission controller requests the base station to increase the data transmission rate when the load data is below the other threshold value.

11. A transmission rate controlling method of mobile radio equipment for controlling the rate of radio data transmission between mobile radio equipment and a base station, comprising:

a decoding step for decoding encoded data;

a judging step for judging whether or not decoding can be performed in time; and

a transmission controlling step for controlling the rate of transmission to/ from a base station based on a judgment made at the judging step.

12. A transmission rate controlling method of mobile radio equipment for controlling the rate of radio data transmission between mobile radio equipment and a base station, comprising:

a decoding step for decoding encoded data according to the encoded data input into a decoder;

a judging step for judging whether or not decoding can be performed in time;

a transmission controlling step for controlling the rate of transmission to/ from a base station based on a judgment made at the judging step; and

an inputting/ outputting step for inputting/ outputting the decoded data output from the decoder in a format suitable for the input data.

13. A transmission rate controlling method of mobile radio equipment for controlling the rate of radio data transmission between mobile radio equipment and a base station, comprising:

a decoding step for decoding encoded data;

a detecting step for detecting whether or not the decoding result is normal;

a judging step for judging whether or not decoding can be performed in time; and

a transmission controlling step for controlling the rate of transmission to/ from a base station based on a judgment made at the judging step.

14. A transmission rate controlling method of mobile radio equipment for controlling the rate of radio data transmission between mobile radio equipment and a base station, comprising:

a decoding step for decoding encoded data according to the encoded data input into a decoder;

a detecting step for detecting whether or not the decoding result is normal;

a judging step for judging whether or not decoding can be performed in time;

a transmission controlling step for controlling the rate of transmission to/ from a base station based on a judgment made at the judging step; and

an inputting/ outputting step for inputting/ outputting the decoded data output from the decoder in a format suitable for the input data.

15. The transmission rate controlling method claimed in claim 11, further comprising a comparing step for comparing the decoded data output from the decoder as load data with one or more preset threshold values, the judging step including the process of judging whether or not the load data is beyond the decoding capability of the decoder based on the comparison result obtained at the comparing step.

16. The transmission rate controlling method claimed in

claim 12, further comprising a comparing step for comparing the decoded data output from the decoder as load data with one or more preset threshold values, the judging step including the process of judging whether or not the load data is beyond the decoding capability of the decoder based on the comparison result obtained at the comparing step.

17. The transmission rate controlling method claimed in claim 13, further comprising a comparing step for comparing the decoded data output from the decoder as load data with one or more preset threshold values, the judging step including the process of judging whether or not the load data is beyond the decoding capability of the decoder based on the comparison result obtained at the comparing step.

18. The transmission rate controlling method claimed in claim 14, further comprising a comparing step for comparing the decoded data output from the decoder as load data with one or more preset threshold values, the judging step including the process of judging whether or not the load data is beyond the decoding capability of the decoder based on the comparison result obtained at the comparing step.

19. The transmission rate controlling method claimed in claim 11, wherein the transmission controlling step includes the process of requesting the base station to reduce the data transmission rate when the load data exceeds the threshold value at the comparing step, and the process of requesting the base station to increase the data transmission rate when the load data is below the threshold value.

20. The transmission rate controlling method claimed in claim 12, wherein the transmission controlling step includes the process of requesting the base station to reduce the data transmission rate when

the load data exceeds the threshold value at the comparing step, and the process of requesting the base station to increase the data transmission rate when the load data is below the threshold value.

21. The transmission rate controlling method claimed in claim 13, wherein the transmission controlling step includes the process of requesting the base station to reduce the data transmission rate when the load data exceeds the threshold value at the comparing step, and the process of requesting the base station to increase the data transmission rate when the load data is below the threshold value.

22. The transmission rate controlling method claimed in claim 14, wherein the transmission controlling step includes the process of requesting the base station to reduce the data transmission rate when the load data exceeds the threshold value at the comparing step, and the process of requesting the base station to increase the data transmission rate when the load data is below the threshold value.